



## **L.H. Barkhausen Waterfowl Preserve's** **Environmental Education Programs** **For Schools and Organizations**



The West Shores Interpretive Center located within Barkhausen offers a variety of programs designed to help fill the environmental education needs and requirements for area schools and organizations.

Our programs are approximately 2 hours long in length. We offer two different field trip options: half day and full day. A half day program is one, 2 hour program and a full day trip includes two, 2 hour programs.

### **Additional Information**

Most of the programs listed below can be adjusted to just about any age and shortened to a one-hour after-school program for scout groups or other organizations. Outreach programs available, just ask!

### **Winter Programs: January – February**

Program	Description	Suggested Grade Level	NGSS & WMAS Standards
<b>Snowshoeing</b>	This program explores the prehistoric development and use of snowshoes up to modern day usage, including construction techniques, design, proper care and use. Students are taught snowshoeing techniques and are taken for a fun-filled Naturalist-led hike with snowshoe races and games. <b><u>*Limited to groups of 30 students or less.</u></b>	K+	NGSS: K-ESSE-2, 3-LS4-3
<b>Winter in the Forest</b>  *Can be adjusted to age level	What exactly do animals need to survive during the winter? Students will learn about animal adaptations and then go on a Naturalist-led hike exploring animal tracks and signs.  <b>*The majority of this program is conducted indoors with the length of time spent outdoors determined by weather conditions.</b>	K+	NGSS: K-ESS3-1, K-LS1-1, 2-LS4-1, 3-LS2-1, 3-LS4-3, 3-LS4-4
<b>Early Wisconsin</b>	This program takes you back in time to life in Wisconsin circa 1800. Students will visit our fur trader's cabin to learn about fur trapping/trading and then head outside and learn about Native American life inside our recreated wigwam.	2+	NGSS: 4-ESS3-1, 4-ESS3-1  WMAS Social Studies: B.4.1, B.4.3, B.4.4, B.4.5
<b>Tracks, Signs and Furs</b>	Become a nature detective and learn how to identify Wisconsin wildlife tracks and signs just like the fur traders used to do! Students will examine owl pellets, look at examples of wildlife signs, learn tracking skills and techniques and touch different furs. A Naturalist-led hike through the woods will allow students to explore and practice their new-found track and sign skills.	3+	NGSS: 3-LS4-3, 3-LS4-4
<b>Wilderness Survival</b>	Do you have what it takes to survive overnight in the wild? During this program students will learn about basic survival skills and techniques, winter hazards, survival kit preparation and dressing for the outdoors. Students will then work together in small groups to build a shelter, make a fire and boil water.	3+	NGSS: 3-LS4-3, 3-LS4-4, 3-ESS3-1, 4-ESS3-1 WMAS Social Studies: A.4.4
<b>Maple Syrup</b>  *March and Early April Only	This 2 hour program focuses on the process of making maple syrup. Students will learn the history of maple syrup, tree biology, and the syrup making process through hands-on stations. To end the day, students will enjoy some ice cream with pure maple syrup made at Barkhausen.	K+	NGSS: K-LS1-1, K-ESSE3-2, 1-LS1-1, 2-LS2-2, 5-LS2-1  WMAS Social Studies: A.4.4, B.4.1, B.4.11

## Spring & Autumn Programs: April – early June, September – October

Program	Description	Suggested Grade Level	NGSS & WMAS Standards
<b>Nature Trek</b>	Exploring the natural world around them, students are taken on a Naturalist-led hike focusing on their five senses through three hands on activities including a group scavenger hunt and a “Mystery Box” game. <i>Ask about our fall version!</i>	K+	NGSS: K-ESS3-1
<b>Pond Study</b>	<b>Life in a Pond:</b> This hands-on program focuses the living and non-living parts of a pond. Students will learn what kinds of creatures call a pond home, how to identify critters based on characteristics and then going out and discovering a pond.	K-3	NGSS: K-ESS3-1, K-LS1-1, 1-LS1-1, 1-LS13-1, 2-LS4-1, 3-LS4-3, 3-LS4-4
	<b>Pond Connections:</b> Students will discover how living and non-living parts of a pond are interconnected by investigating some of the roles organisms have in an aquatic ecosystem and then get a chance to explore a pond to see the connections in nature.	3-6	NGSS: 3-LS4-3, 3-LS4-4, 3-LS1-1, 5-LS2-1, 5-PS3-1  WMAS Science: B.4.1, B.4.4, B.4.6
	<b>Pond Adaptations:</b> In order to survive in a specific habitat, organisms have to be adapted to live there. This program aims to explain some of those adaptations and life cycles through an adaptation game and hands-on pond exploration.	3-8	NGSS: 3-LS4-3, 3-LS4-4, 3-LS1-1, 4-LS1-1, 5-LS2-1, 5-PS3-1  WMAS Science: B.4.6
<b>Birds</b>  *Can be adjusted to age level	Concentrating on bird habitats, basic adaptations and characteristics. Students will learn how to identify birds, and go on a Naturalist-led hike while using binoculars and playing Bird Bingo.	K+	NGSS: KESS3-1, K-LS1-1, K-2-ETS1-3, 1-LS1-1, 2-LS2-2, 2-LS4-1, 3-LS4-4
<b>Pollinators</b>	Learn all about the importance of pollinators in the natural world as well as our daily lives! Students will participate in a pollination and seed planting activity, learn the “waggle dance” and roles of bees in a colony. <b>*This program is recommended for late spring. <u>Limited to groups of 30 students or less.</u></b>	K-3	NGSS: K-ESSE-1, K-ESS3-2, K-ESS3-1, K-LS1-1, 2-LS2-2, 3-LS4-4, 3-LS1-1
<b>Orienteering</b>	An introductory program to orienteering where students will learn basic compass skills. Students will use their skills by working together in teams to successfully navigate through an orienteering course.	3+	WMAS Science: A.4.1
<b>Recycling</b>	Stressing the importance of recycling and what we can do to decrease our ecological footprint, students will learn what can and cannot be recycled, recognize “nature’s recyclers” by playing decomposer tag and then participate in a fun recycling relay race.	3+	NGSS: 3-LS4-4, 4-ESS3-1, 5-LS2-1  WMAS Science: B.4.3, B.4.8-4.11, E.4.2
<b>Marsh Trek</b>	What better way to learn about a marsh than getting the chance to go in one? During this exploratory program, students will work in small groups with nets and buckets to catch a variety of aquatic invertebrates and their role in the natural world. <b><u>Students are required to bring a change of shoes, socks and pants.</u></b> *Recommended for late spring or early autumn.	3+	NGSS: 3-LS4-3, 3-LS4-4, 3-LS1-1
<b>West Shore Wetlands</b>	Focusing on the wetlands along the western shore of Green Bay, this program emphasizes the importance of wetlands, the geological formation of the area and its use by early man. Students will examine artifacts, make a Native American craft, and then go on a Naturalist-led hike focusing on the plants and wildlife utilized by early people.	2+	NGSS: 2-PS1-2, 2-PS1-3, 2-ESS2-2, 2-LS4-1
<b>Forest Trek</b>  *Can be adjusted to age level	Come explore the forest! Students will learn the parts of a tree, how to identify different trees and plants, the life cycle of a tree, and the roles trees play in our everyday lives all while on a Naturalist-led hike.	K+	NGSS: K-ESS3-1, K-ESS2-2, K-ESS3-3, K-LS1-1, 2-LS4-1